

241 SAKAVLTGTYKDELLSARSGNEKMMALLTPLNVNCHASDGRKSTPLHLAAGYNNRVI 300
QY 301 VOLLQHGADVHAKDGLVPLHNACSYGHEVTELLVKGACVNMADLWQFTPLHEAAS 360
Db 301 VOLLQHGADVHAKDGLVPLHNACSYGHEVTELLVKGACVNMADLWQFTPLHEAAS 360
QY 361 KNRVEVCSLLSYGADPTLLNCHNKSAIDLAPTPOLKERLAYEPKSHLSLQAAAREADVTR 420
Db 361 KNRVEVCSLLSYGADPTLLNCHNKSAIDLAPTPOLKERLAYEPKSHLSLQAAAREADVTR 420
QY 421 IKKHLSLEWVNFKHPQTHETALHCAASPPYKPKQICELLIRKGANINEKTEFLPLHV 480
Db 421 IKKHLSLEWVNFKHPQTHETALHCAASPPYKPKQICELLIRKGANINEKTEFLPLHV 480
QY 481 ASKANDVVEVVVKEAKVNDLNGQTSIHLRAAYCGHLQTCRLLLSYGCDDPNIISLQ 540
Db 481 ASKANDVVEVVVKEAKVNDLNGQTSIHLRAAYCGHLQTCRLLLSYGCDDPNIISLQ 540
QY 541 FTALQMGNEVQQLQEGISLGNSEADROLLEAAKAGDVETVVKLCTVQSVNCRDIEGRQ 600
Db 541 FTALQMGNEVQQLQEGISLGNSEADROLLEAAKAGDVETVVKLCTVQSVNCRDIEGRQ 600
QY 601 STPLHFAAGYNNRVSVVEYLLQHGADVHAKDGLVPLHNACSYGHEVVAELLVKGAVN 660
Db 601 STPLHFAAGYNNRVSVVEYLLQHGADVHAKDGLVPLHNACSYGHEVVAELLVKGAVN 660
QY 661 VADLWFTPLHEAAKAGKYEICKLLQHGADPTKQNRDGNTPDLVKDGDITDQDLRGD 720
Db 661 VADLWFTPLHEAAKAGKYEICKLLQHGADPTKQNRDGNTPDLVKDGDITDQDLRGD 720
QY 721 AALLDAKKGCLARVKLSPPDNNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADV 780
Db 721 AALLDAKKGCLARVKLSPPDNNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADV 780
QY 781 AODKGLIPLHNAASCHVDVALLIKYNAACVNAWKWFTPLHEAAKAGKRTOLCALLA 840
Db 781 AODKGLIPLHNAASCHVDVALLIKYNAACVNAWKWFTPLHEAAKAGKRTOLCALLA 840
QY 841 HGADPTLKQEGQTPDLVSADVSALLTAAMPSPALPSYKQVNLGVSPGATADALS 900
Db 841 HGADPTLKQEGQTPDLVSADVSALLTAAMPSPALPSYKQVNLGVSPGATADALS 900
QY 901 SGSPSSSLSAASSLNLGSPSELSSVSSSGTEGASSLEKKEVPGVDPSITQFVRNLG 960
Db 901 SGSPSSSLSAASSLNLGSPSELSSVSSSGTEGASSLEKKEVPGVDPSITQFVRNLG 960
QY 961 LEHMDIFEREQITDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGOQGLNPVLT 1020
Db 961 LEHMDIFEREQITDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGOQGLNPVLT 1020
QY 1021 NTSGSGTILDLSPDDKEFOSVEEEMQSTVREHRDGHAGGIENRNVNLIKIQVCNKKLW 1080
Db 1021 NTSGSGTILDLSPDDKEFOSVEEEMQSTVREHRDGHAGGIENRNVNLIKIQVCNKKLW 1080
QY 1081 ERYTHRRKEVSEENHNANERMLFHGSPFVNALIHKGFDERRHAYIGMFGAGIYFAENSS 1140
Db 1081 ERYTHRRKEVSEENHNANERMLFHGSPFVNALIHKGFDERRHAYIGMFGAGIYFAENSS 1140
QY 1141 KSNQYVYGICGTCPCVHKDRSCVICHROLIFCRVTLGKSFLOFSAMKMAHSPGHHSVT 1200
Db 1141 KSNQYVYGICGTCPCVHKDRSCVICHROLIFCRVTLGKSFLOFSAMKMAHSPGHHSVT 1200
QY 1201 GRESVNGLALAEVYVIRGEQAYPEYLITYQIMRPEGMDVG 1240
Db 1201 GRESVNGLALAEVYVIRGEQAYPEYLITYQIMRPEGMDVG 1240

RESULT 2

US-10-199-937-107

Sequence 107, Application US/10199937

Publication No. US20030190739A1

BRIEF SUMMARY:

APPLICANT: Ch. Stenson, Erik

BEST AVAILABLE COPY

APPLICANT: DeMaggio, Anthony J.
APPLICANT: Goldman, Phyllis S.
APPLICANT: McElligott, David L.
TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
FILE REFERENCE: 27866/36559
CURRENT APPLICATION NUMBER: US/10/199,937
CURRENT FILING DATE: 2002-07-22
PRIOR APPLICATION NUMBER: US/09/606,035
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/141,582
PRIOR FILING DATE: 1999-06-29
NUMBER OF SEQ ID NOS: 178
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 107
LENGTH: 1262
TYPE: PRT
ORGANISM: Homo sapiens
US-10-199-937-107

Query Match 98.6%; Score 6375.5; DB 4; Length 1262;

Best Local Similarity 99.2%; Pred. No. 0;

Matches 1225; Conservative 1; Mismatches 8; Indels 1; Gaps 1;

QY 6 RGAGCGGAGQARGVGAAGTAPDPTAGSQAARALSASSPGGLALLIAGPGLLLALL 65
Db 29 RGSRGAGSPARGAR-GRGHTAPDPTAGSQAARALSASSPGGLALLIAGPGLLLALL 87
QY 66 LLAVALAARIMSGRCAGGGAACASAAAEEAVEPAAREFELFACRNGDVVERKRLVTPKVN 125
Db 88 LLAVALAARIMSGRCAGGGAACASAAAEEAVEPAAREFELFACRNGDVVERKRLVTPKVN 147
QY 126 RTAGKSTPLHFAAGFGKDVVYLLQNGANVQARDGGLIPLHNACSFHGAENVNLL 185
Db 148 RDTAGKSTPLHFAAGFGKDVVYLLQNGANVQARDGGLIPLHNACSFHGAENVNLL 207
QY 186 RHGADPNARDNNYTPLEAAIKGKIDVCIVLQHGAEPTIRNTDGTALDADPSAKAV 245
Db 208 RHGADPNARDNNYTPLEAAIKGKIDVCIVLQHGAEPTIRNTDGTALDADPSAKAV 267
QY 246 LTGEYKDELLSARSGNEKMMALLTPLNVNCHASDGRKSTPLHLAAGYNNRVIQVLL 305
Db 268 LTGEYKDELLSARSGNEKMMALLTPLNVNCHASDGRKSTPLHLAAGYNNRVIQVLL 327
QY 306 QHGADVHAKDGLVPLHNACSYGHEVTELLVKGACVNMADLWQFTPLHEAASKNRVE 365
Db 328 QHGADVHAKDGLVPLHNACSYGHEVTELLVKGACVNMADLWQFTPLHEAASKNRVE 387
QY 366 VCSLLLSYGADPTLLNCHNKSAIDLAPTPOLKERLAYEPKSHLSLQAAAREADVTRIK 425
Db 388 VCSLLLSYGADPTLLNCHNKSAIDLAPTPOLKERLAYEPKSHLSLQAAAREADVTRIK 447
QY 426 SLEWVNFKHPQTHETALHCAASPPYKPKQICELLIRKGANINEKTEFLPLHVASEKA 485
Db 448 SLEWVNFKHPQTHETALHCAASPPYKPKQICELLIRKGANINEKTEFLPLHVASEKA 507
QY 486 HNDVVEVVVKEAKVNDLNGQTSIHLRAAYCGHLQTCRLLLSYGCDDPNIISLQGTALQ 545
Db 508 HNDVVEVVVKEAKVNDLNGQTSIHLRAAYCGHLQTCRLLLSYGCDDPNIISLQGTALQ 567
QY 546 MGNENVQQLQEGISLGNSEADROLLEAAKAGDVETVVKLCTVQSVNCRDIEGRQSTPLH 605
Db 568 MGNENVQQLQEGISLGNSEADROLLEAAKAGDVETVVKLCTVQSVNCRDIEGRQSTPLH 627
QY 606 FAAGYNNRVSVVEYLLQHGADVHAKDGLVPLHNACSYGHEVVAELLVKGAVNVNADLW 665
Db 628 FAAGYNNRVSVVEYLLQHGADVHAKDGLVPLHNACSYGHEVVAELLVKGAVNVNADLW 687
QY 666 KFTPLHEAAKAGKYEICKLLQHGADPTKQNRDGNTPDLVKDGDITDQDLRGDAALLD 725
Db 688 KFTPLHEAAKAGKYEICKLLQHGADPTKQNRDGNTPDLVKDGDITDQDLRGDAALLD 747
QY 726 AAKKGLARVKLSPPDNNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAODKG 785

Db 748 AAKGCLARVKLSSPDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKG 807
Qy 786 GLIPLHNAASYGHVDVAALLIKYNACVNAATDKWFTPLHEAAOKGRTQLCALLAHGADP 845
Db 808 GLIPLHNAASYGHVDVAALLIKYNACVNAATDKWFTPLHEAAOKGRTQLCALLAHGADP 867
Qy 846 TLKQEGQTPDLVSAADVSALLTAAMPSPALSCYKPOVLNGVRSPGATADALSSGSS 905
Db 868 TLKQEGQTPDLVSAADVSALLTAAMPSPALSCYKPOVLNGVRSPGATADALSSGSS 927
Qy 906 PSSLSAASLDNLGSSFSSELSSVSSSGTEGASLEKKEVPGVDFSIQFVRNLGLEHLM 965
Db 928 PSSLSAASLDNLGSSFSSELSSVSSSGTEGASLEKKEVPGVDFSIQFVRNLGLEHLM 987
Qy 966 DIFEREQITLDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPYTLTNTSGS 1025
Db 988 DIFEREQITLDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPYTLTNTSGS 1047
Qy 1026 GTILDLSPDDKKEFQSVSEEMQSTVREHRDGGHAGGIFRNYNLKIQKVCNKKLWERYTH 1085
Db 1048 GTILDLSPDDKKEFQSVSEEMQSTVREHRDGGHAGGIFRNYNLKIQKVCNKKLWERYTH 1107
Qy 1086 RRKEVEENHNHANERMLPHGSPFVNAIHKGFDERHAYIGMFGAGIYFAENSSKSNQY 1145
Db 1108 RRKEVEENHNHANERMLPHGSPFVNAIHKGFDERHAYIGMFGAGIYFAENSSKSNQY 1167
Qy 1146 VYIGGGTGPCVHKDRSCYICHRQLLFCRVTLGKSFLOFSAMQVAHSPPGHHSVTGRPSV 1205
Db 1168 VYIGGGTGPCVHKDRSCYICHRQLLFCRVTLGKSFLOFSAMQVAHSPPGHHSVTGRPSV 1227
Qy 1206 NGLALAEYVIRGEQAYPEYLITYQIMRPEGVMDG 1240
Db 1228 NGLALAEYVIRGEQAYPEYLITYQIMRPEGVMDG 1262

RESULT 3

US-10-199-937-133
; Sequence 133, Application. US/10199937
; Publication No. US20030190749A1
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J.
; APPLICANT: Goldman, Phyllis S.
; APPLICANT: McElligott, David L.
; TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
; FILE REFERENCE: 27866/36559
; CURRENT APPLICATION NUMBER: US/10/199,937
; PRIORITY FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/09/606,035
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/141,582
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 133
; LENGTH: 1385
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-199-937-133

Query Match 98.8%; Score 6375.5; DB 4; Length 1385;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1225; Conservative 1; Mismatches 8; Indels 1; Gaps 1;
Qy 6 RGAAGGCGAQRGARVGAHCTAPDPVTAGSQARALSSASPGGLALLAGPGLLELLAL 65
Db 152 RGRGAGSPARGAR-GRGHGTAPDPVTAGSQARALSSASPGGLALLAGPGLLELLAL 210
Qy 66 LLAAVAARIMSGRRCAGGGAACAASAAAEVPAARELFEACRNGDVERVKRLVTPPEKNS 125
Db 211 LLAAVAARIMSGRRCAGGGAACAASAAAEVPAARELFEACRNGDVERVKRLVTPPEKNS 270
Qy 126 RTAGRKSTPLHFAAGFRKDVVEYLLQNGANVQARDDGGLIPLHNACSFHGAEEVNNLL 185

Db 271 RTAGRKSTPLHFAAGFRKDVVEYLLQNGANVQARDDGGLIPLHNACSFHGAEEVNNLL 330
Qy 186 RHGADPNARDNNYTPLEHAAIKGKIDVICIVLLQHGAEPTIRNTDGRSTALDLADPSAKV 245
Db 331 RHGADPNARDNNYTPLEHAAIKGKIDVICIVLLQHGAEPTIRNTDGRSTALDLADPSAKV 390
Qy 246 LTGEYKDBELLSESARGNEEKWALLTPLNVNCHASDGRKSTPLHLAAGYNNRVIQVLL 305
Db 391 LTGEYKDBELLSESARGNEEKWALLTPLNVNCHASDGRKSTPLHLAAGYNNRVIQVLL 450
Qy 306 QHGADVHAOKGDLVPLHNACSYGHVEVTELLVKGHCACVNMALWQFTPLHEAASRURVE 365
Db 451 QHGADVHAOKGDLVPLHNACSYGHVEVTELLVKGHCACVNMALWQFTPLHEAASRURVE 510
Qy 366 VCSLLSYGADPTLNLCHNKSALDAPTPOLKERLAYEFKHSLLQAAREADVTRIKKHL 425
Db 511 VCSLLSYGADPTLNLCHNKSALDAPTPOLKERLAYEFKHSLLQAAREADVTRIKKHL 570
Qy 426 SLEWVNFKIPOTHETALHCAAAASPPYKQIQICELLRKGANINEKTEFLTPPLHVASEKA 485
Db 571 SLEWVNFKIPOTHETALHCAAAASPPYKQIQICELLRKGANINEKTEFLTPPLHVASEKA 630
Qy 486 HNDVVEVVVKEAKYNALDNLGOTSILHRAAYCGHLOTCELLLSYGCDDPNTISI-OGFTALQ 545
Db 631 HNDVVEVVVKEAKYNALDNLGOTSILHRAAYCGHLOTCELLLSYGCDDPNTISI-OGFTALQ 690
Qy 546 MGNENVQQLQBGISIGNSSEADROLLEAAKAGDVETVKKLCVTVQSVNCRDIEGRQSTPLH 605
Db 691 MGNENVQQLQBGISIGNSSEADROLLEAAKAGDVETVKKLCVTVQSVNCRDIEGRQSTPLH 750
Qy 606 FAAGYNNRVSVVEYLLQHGADVHAOKGGLVPLHNACSYGHVEVTELLVKGHCACVNMALW 665
Db 751 FAAGYNNRVSVVEYLLQHGADVHAOKGGLVPLHNACSYGHVEVTELLVKGHCACVNMALW 810
Qy 666 KFTPLHEAAAKGYEICKLLOHGADPTKKNRDNTPDLVKGDDTDIOQLRGDAALLD 725
Db 811 KFTPLHEAAAKGYEICKLLOHGADPTKKNRDNTPDLVKGDDTDIOQLRGDAALLD 870
Qy 726 AAKGCLARVKLSSPDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKG 785
Db 871 AAKGCLARVKLSSPDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKG 930
Qy 786 GLIPLHNAASYGHVDVAALLIKYNACVNAATDKWFTPLHEAAOKGRTQLCALLAHGADP 845
Db 931 GLIPLHNAASYGHVDVAALLIKYNACVNAATDKWFTPLHEAAOKGRTQLCALLAHGADP 990
Qy 846 TLKQEGQTPDLVSAADVSALLTAAMPSPALSCYKPOVLNGVRSPGATADALSSGSS 905
Db 991 TLKQEGQTPDLVSAADVSALLTAAMPSPALSCYKPOVLNGVRSPGATADALSSGSS 1050
Qy 906 PSSLSAASLDNLGSSFSSELSSVSSSGTEGASLEKKEVPGVDFSIQFVRNLGLEHLM 965
Db 1051 PSSLSAASLDNLGSSFSSELSSVSSSGTEGASLEKKEVPGVDFSIQFVRNLGLEHLM 1110
Qy 966 DIFEREQITLDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPYTLTNTSGS 1025
Db 1111 DIFEREQITLDVLVEMGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPYTLTNTSGS 1170
Qy 1026 GTILDLSPDDKKEFQSVSEEMQSTVREHRDGGHAGGIFRNYNLKIQKVCNKKLWERYTH 1085
Db 1171 GTILDLSPDDKKEFQSVSEEMQSTVREHRDGGHAGGIFRNYNLKIQKVCNKKLWERYTH 1230
Qy 1086 RRKEVEENHNHANERMLPHGSPFVNAIHKGFDERHAYIGMFGAGIYFAENSSKSNQY 1145
Db 1231 RRKEVEENHNHANERMLPHGSPFVNAIHKGFDERHAYIGMFGAGIYFAENSSKSNQY 1290
Qy 1146 VYIGGGTGPCVHKDRSCYICHRQLLFCRVTLGKSFLOFSAMQVAHSPPGHHSVTGRPSV 1205
Db 1291 VYIGGGTGPCVHKDRSCYICHRQLLFCRVTLGKSFLOFSAMQVAHSPPGHHSVTGRPSV 1350
Qy 1206 NGLALAEYVIRGEQAYPEYLITYQIMRPEGVMDG 1240

Db 727 VAALLIKYNACVATDKWAFTPLHFAAOKGRTOLCALLAHGADPTLKNQEGOTPLDLVS 786
Qy 721 ADDVSALLTAAMPSPALPCYKPOVLNGVRSFGATADALSSGSPSSLSAASSLNLSS 780
Db 787 ADDVSALLTAAMPSPALPCYKPOVLNGVRSFGATADALSSGSPSSLSAASSLNLSS 846
Qy 781 SFSELSVVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLTLVVE 840
Db 847 SFSELSVVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLTLVVE 906
Qy 841 MGHKELKEIGINAYGHRHKLKIGVERLISGQOGLNPYLTLNTSGSTLILDLSPDDKEFQ 900
Db 907 MGHKELKEIGINAYGHRHKLKIGVERLISGQOGLNPYLTLNTSGSTLILDLSPDDKEFQ 966
Qy 901 SVEEEMQSTVREHRCGHAGGIFNRYNLIKQVCKNKKLWERYTHRRKEVSEENHNHANE 960
Db 967 SVEEEMQSTVREHRCGHAGGIFNRYNLIKQVCKNKKLWERYTHRRKEVSEENHNHANE 1026
Qy 961 RMLFHGSPFVNALIHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGSGTGPCPVHKD 1020
Db 1027 RMLFHGSPFVNALIHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGSGTGPCPVHKD 1086
Qy 1021 RSCYICHRQLLFCRVTLGKSFLOFSAMKWAHSPGHHSVTGRPSV 1065
Db 1087 RSCYICHRQLLFCRVTLGKSFLOFSAMKWAHSPGHHSVTGRPSV 1131

RESULT 6

US-10-199-937-135
; Sequence 135, Application US/10199937
; Publication No. US20030190739A1
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: DeMaggio, Anthony J.
; APPLICANT: Goldman, Phyllis S.
; APPLICANT: McElligott, David L.
; TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
; FILE REFERENCE: 27866/36559
; CURRENT APPLICATION NUMBER: US/10/199,937
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/09/606,035
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/141,582
; PRIOR FILING DATE: 1999-06-29
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 135
; LENGTH: 1166
; TYPE: PRT
; ORGANISM: Homo sapiens

Query Match 99.9%; Score 5582; DB 4; Length 1166;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1064; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GFGKQDVVEYLLONGASVQARDGGLIPLHNACSFHAEVYNLLRHGADPNARDNNYT 60
Db 67 GFGKQDVVEYLLONGANVQARDGGLIPLHNACSFHAEVYNLLRHGADPNARDNNYT 126
Qy 61 PLHEAATKGIKIDVCIVLQHGAEPTIRTDGRTALDADPSAKAVLTGEYKDBELLESAR 120
Db 127 PLHEAATKGIKIDVCIVLQHGAEPTIRTDGRTALDADPSAKAVLTGEYKDBELLESAR 186
Qy 121 SGNEEKWALLITPLNVNCHASDGRKSTPLHLAGYNRVKIVQLLQHGADVHAKDGLV 180
Db 187 SGNEEKWALLITPLNVNCHASDGRKSTPLHLAGYNRVKIVQLLQHGADVHAKDGLV 246
Qy 181 PLHNACSYGHEVTELLVKGACVNMADLQWFTPLHFAAOKGRTOLCALLAHGADPTLKNQEGOTPLDLVS 240
Db 247 PLHNACSYGHEVTELLVKGACVNMADLQWFTPLHFAAOKGRTOLCALLAHGADPTLKNQEGOTPLDLVS 306

RESULT 7

US-10-199-937-2
; Sequence 2, Application US/10199937
; Publication No. US20030190739A1

GENERAL INFORMATION:

; APPLICANT: Christenson, Erik
; APPLICANT: DeMaggio, Anthony J.
; APPLICANT: Goldman, Phyllis S.
; APPLICANT: McElligott, David L.
; TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS
; FILE REFERENCE: 27866/36559
; CURRENT APPLICATION NUMBER: US/10/199,937
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/09/606,035
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/141,582

Qy 241 NCHNSAIDLAPTOLKERLAYEFKHSLLQAREADVTRI KKHLSLEWVNFKHPQTHET 300
Db 307 NCHNSAIDLAPTOLKERLAYEFKHSLLQAREADVTRI KKHLSLEWVNFKHPQTHET 366
Qy 301 ALHCAAAAPYPRKQICELLERKGANINEKTEFTPLHVASEKANDVVEVVVHEAKV 360
Db 367 ALHCAAAAPYPRKQICELLERKGANINEKTEFTPLHVASEKANDVVEVVVHEAKV 426
Qy 361 NALDNLGQTSLHRAAYCGHLOTCLLLSYGCDPNII SLQGF TALQMGNEVQQLQEGIS 420
Db 427 NALDNLGQTSLHRAAYCGHLOTCLLLSYGCDPNII SLQGF TALQMGNEVQQLQEGIS 486
Qy 421 LQNSADROLLEAAKAGDVETVKKICTVQSVNCRDIEGRQSTPLHFAAGYNRVSVVEYLL 480
Db 487 LQNSADROLLEAAKAGDVETVKKICTVQSVNCRDIEGRQSTPLHFAAGYNRVSVVEYLL 546
Qy 481 QHGADVHAKDKGGLVPLHNACSYGHEVAELLVHKGAVVNVADLWKFTPLHFAAAGKYTE 540
Db 547 QHGADVHAKDKGGLVPLHNACSYGHEVAELLVHKGAVVNVADLWKFTPLHFAAAGKYTE 606
Qy 541 ICKLLLOHGADPTKKNRDGNTPLDLVKGDDTDI QDLLRGDAALLDAAKKGCLARVKJLS 600
Db 607 ICKLLLOHGADPTKKNRDGNTPLDLVKGDDTDI QDLLRGDAALLDAAKKGCLARVKJLS 666
Qy 601 PNVNCRDTQGRHSTPLHLAGYNNLEVAEYLLQHGADVNAQDKGLIPLHNAASYGHVD 660
Db 667 PNVNCRDTQGRHSTPLHLAGYNNLEVAEYLLQHGADVNAQDKGLIPLHNAASYGHVD 726
Qy 661 VAALLIKYNACVATDKWAFTPLHFAAOKGRTOLCALLAHGADPTLKNQEGOTPLDLVS 720
Db 727 VAALLIKYNACVATDKWAFTPLHFAAOKGRTOLCALLAHGADPTLKNQEGOTPLDLVS 786
Qy 721 ADDVSALLTAAMPSPALPCYKPOVLNGVRSFGATADALSSGSPSSLSAASSLNLSS 780
Db 787 ADDVSALLTAAMPSPALPCYKPOVLNGVRSFGATADALSSGSPSSLSAASSLNLSS 846
Qy 781 SFSELSVVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLTLVVE 840
Db 847 SFSELSVVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLTLVVE 906
Qy 841 MGHKELKEIGINAYGHRHKLKIGVERLISGQOGLNPYLTLNTSGSTLILDLSPDDKEFQ 900
Db 907 MGHKELKEIGINAYGHRHKLKIGVERLISGQOGLNPYLTLNTSGSTLILDLSPDDKEFQ 966
Qy 901 SVEEEMQSTVREHRCGHAGGIFNRYNLIKQVCKNKKLWERYTHRRKEVSEENHNHANE 960
Db 967 SVEEEMQSTVREHRCGHAGGIFNRYNLIKQVCKNKKLWERYTHRRKEVSEENHNHANE 1026
Qy 961 RMLFHGSPFVNALIHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGSGTGPCPVHKD 1020
Db 1027 RMLFHGSPFVNALIHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGSGTGPCPVHKD 1086
Qy 1021 RSCYICHRQLLFCRVTLGKSFLOFSAMKWAHSPGHHSVTGRPSV 1065
Db 1087 RSCYICHRQLLFCRVTLGKSFLOFSAMKWAHSPGHHSVTGRPSV 1131

Db 781 SFSELSVSSVSSGTSASLEKEVGVDPSTQTFVNLGLEHLMDFPEREQITLDVLVE 840
Qy 841 MGHKELKEIGINAYGHRHKLKIGVRLISGOQGLNPYLTLNTSGSTILIDLSPDDKEFQ 900
Db 841 MGHKELKEIGINAYGHRHKLKIGVRLISGOQGLNPYLTLNTSGSTILIDLSPDDKEFQ 900
Qy 901 SYVEEMQSTVREHRODGHAGGIFNRNIIKIOKVCNKKLWERYTHRRKEVSENNHANE 960
Db 901 SYVEEMQSTVREHRODGHAGGIFNRNIIKIOKVCNKKLWERYTHRRKEVSENNHANE 960
Qy 961 RMLFHGSPFNALIIHKGDFDERHAYIGGMFCAGIYFAENSCKSNQYVYGIGGTGCPVHKD 1020
Db 961 RMLFHGSPFNALIIHKGDFDERHAYIGGMFCAGIYFAENSCKSNQYVYGIGGTGCPVHKD 1020
Qy 1021 RSCYICHRQLLFCRVTLGKSFLOFSAMQAHSPGHHSVTGRPSV 1065
Db 1021 RSCYICHRQLLFCRVTLGKSFLOFSAMQAHSPGHHSVTGRPSV 1065
RESULT 13
US-09-509-196A-2
Sequence 2, Application US/09509196A
Patent No. US20020037582A1
GENERAL INFORMATION:
APPLICANT: DALY, Roger J.
APPLICANT: SUTHERLAND, Robert L.
TITLE OF INVENTION: A Potential Effector for the Grb7 Family of Signalling
TITLE OF INVENTION: Proteins
FILE REFERENCE: 1871-129
CURRENT APPLICATION NUMBER: US/09/509,196A
PRIORITY FILING DATE: 2000-03-23
PRIORITY FILING DATE: 2000-03-23
PRIORITY FILING DATE: 2000-03-23
PRIORITY FILING DATE: 1997-09-23
PRIORITY FILING DATE: 1998-09-23
PRIORITY FILING DATE: 1998-09-23
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 2
LENGTH: 1074
TYPE: PRT
ORGANISM: Homo sapiens
US-09-509-196A-2
Query Match 97.1%; Score 5421; DB 3; Length 1074;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1034; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
Qy 27 IPLHNAACSGHAEVNNLLRHGADPNARDNWNNTPLHEAAIKGKIDVICIVLLOHGAEPPTI 86
Db 1 IPLHNAACSGHAEVNNLLRHGADPNARDNWNNTPLHEAAIKGKIDVICIVLLOHGAEPPTI 60
Qy 87 RNTDGRALDAPSAKAVLTGEYKDDLESARSNEEKOMALLTPLNVNCHASDGRKS 146
Db 61 RNTDGRALDAPSAKAVLTGEYKDDLESARSNEEKOMALLTPLNVNCHASDGRKS 120
Qy 147 TPLHLAGYNNRKTIVQLLOHGDVHAKDKGDLVPLHNACSYGHHYVTELLVKGACVNA 206
Db 121 TPLHLAGYNNRKTIVQLLOHGRDVHAKDKGDLVPLHNACSYGHHYVTELLVKGACVNA 180
Qy 207 MDLWQFTPLHEAASKNVEVCSLLSYGADPTLNCNKSALDAPTPOLKERYAYEFKG 266
Db 181 MDLWQFTPLHEAASKNVEVCSLLSYGADPTLNCNKSALDAPTPOLKERYAYEFKG 240
Qy 267 HSLLOAAREADVTRIKKHSLEWVNFKHPOTHETALHCAASPPYKQICELLRRKAN 326
Db 241 HSLLOAAREADVTRIKKHSLEWVNFKHPOTHETALHCAASPPYKQICELLRRKAN 300
Qy 327 INEKTGKFLTPHVAASEKANDVVEVVVHKAQNALDNLGQTSILHRAAYGHLQTCRLL 386
Db 301 INEKTGKFLTPHVAASEKANDVVEVVVHKAQNALDNLGQTSILHRAAYGHLQTCRLL 360
387 LSYGCDPNIISLOQFTALQMGNEVQQLQSGISGNSEADROLLEAAKAGDVETVKKLC 446

Db 361 LSYGCDPNIISLOQFTALQMGNEVQQLQSGISGNSEADROLLEAAKAGDVETVKKLC 420
Qy 447 TVQSVNCRDIEGRQSTPLHFAAGYNRVSVVYLLQHGADVHAKDKGGLVPLHNACSYGHY 506
Db 421 TVQSVNCRDIEGRQSTPLHFAAGYNRVSVVYLLQHGADVHAKDKGGLVPLHNACSYGHY 480
Qy 507 EVAELLVKGAVNVNADLWKFTPLHEAAAKKYEI CKLLLOHGDPTTKNRDGNTPDLV 566
Db 481 EVAELLVKGAVNVNADLWKFTPLHEAAAKKYEI CKLLLOHGDPTTKNRDGNTPDLV 540
Qy 567 KQGDPTDIOQLARGDAALDAKKGCLARVKLSSPDNVNCRDTQGRHSTPLHLAAGYNNL 626
Db 541 KQGDPTDIOQLARGDAALDAKKGCLARVKLSSPDNVNCRDTQGRHSTPLHLAAGYNNL 600
Qy 627 EVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVDVAALLIKYNACVNA TDKWAFTPLHEA 686
Db 601 EVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVDVAALLIKYNACVNA TDKWAFTPLHEA 660
Qy 687 AQKGTQLCALLAHGADPTLKNQEGQTPDLVSDADDVSALLTAAMPSPALPSCYKQVLT 746
Db 661 AQKGTQLCALLAHGADPTLKNQEGQTPDLVSDADDVSALLTAAMPSPALPSCYKQVLT 720
Qy 747 NGVRSFGATADALSGSPSSLSAASLDNLSSGSELSVSSVSSGTEGASSLEKKEVP 806
Db 721 NGVRSFGATADALSGSPSSLSAASLDNLSSGSELSVSSVSSGTEGASSLEKKEVP 780
Qy 807 GVDPSITQFVRLNGLEHLMDFPEREQITLDVLVNGHKLKEIGINAYGHRHKLKIGVER 866
Db 781 GVDPSITQFVRLNGLEHLMDFPEREQITLDVLVNGHKLKEIGINAYGHRHKLKIGVER 840
Qy 867 LISGOQGLNPYLTLNTSGSTILIDLSPDDKEFQSVVEEMQSTVREHRODGHAGGIFNRY 926
Db 841 LISGOQGLNPYLTLNTSGSTILIDLSPDDKEFQSVVEEMQSTVREHRODGHAGGIFNRY 900
Qy 927 NILKIQKVCNKKLWERYTHRRKEVSENNHANEMLPHGSPFNALIIHKGDFDERHAYIG 986
Db 901 NILKIQKVCNKKLWERYTHRRKEVSENNHANEMLPHGSPFNALIIHKGDFDERHAYIG 960
Qy 987 GMFGAGIYFAENSCKSNQYVYGIGGTGCPVHKDRSCYICHRQLLFCRVTLGKSFLOFSA 1046
Db 961 GMFGAGIYFAENSCKSNQYVYGIGGTGCPVHKDRSCYICHRQLLFCRVTLGKSFLOFSA 1020
Qy 1047 MKVAHSPGHHSVTGRPSV 1065
Db 1021 MKVAHSPGHHSVTGRPSV 1039
RESULT 14
US-09-849-602-26
Sequence 26, Application US/09849602
Publication No. US20030165834A1
GENERAL INFORMATION:
APPLICANT: Scanlan, Matthew J.
APPLICANT: Old, Lloyd J.
APPLICANT: Stockert, Elisabeth
APPLICANT: Chen, Yao-Tseung
TITLE OF INVENTION: Colon Cancer Antigen Panel
FILE REFERENCE: L0461/7105 (JRV)
CURRENT APPLICATION NUMBER: US/09/849,602
CURRENT FILING DATE: 2001-05-04
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent In version 3.0
SEQ ID NO 26
LENGTH: 1227
TYPE: PRT
ORGANISM: Homo sapiens
US-09-849-602-26
Query Match 96.0%; Score 5363.5; DB 3; Length 1227;
Best Local Similarity 97.1%; Pred. No. 0;
Matches 1035; Conservative 3; Mismatches 25; Indels 3; Gaps 2;

	Query Match	99.9%	Score 5502	DB 2	Length 1166
	Best Local Similarity	99.9%	Pred. No. 0		
	Matches 1064	Conservative	1	Mismatches 0	Indels 0
				Gaps 0	
QY	1	GFGKDVVEYLLQNGASVQARDGGILPLHNACSGFHAENVNLLRHGDADPNARDNNVYT	60		
DB	67	GFGKDVVEYLLQNGAVQARDGGILPLHNACSGFHAENVNLLRHGDADPNARDNNVYT	126		
QY	61	PLUEAAIKGKIDVCTVLVHQHGAEPTRINTDGRALTDLADPSAKAVLTGYKKDLELSAR	120		

127 PLHEAAIKGKIDVCIVLQHGAEPIRTNDGRTALDADPSAKAVLTGEYKDELLESAR 186
121 SGNEKMWALLTPPLNVCHASDGRKSTPLHLAAGYNNRVKIVOLLQHGADVHAKDGLV 180
187 SGNEKMWALLTPPLNVCHASDGRKSTPLHLAAGYNNRVKIVOLLQHGADVHAKDGLV 246
181 PLHNACSYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 240
247 PLHNACSYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 306
241 NCHNKAIDLAPTQPKERLAEYFKGHSLLQAREADVTRIKKHLSEMNVPKHPQTHET 300
307 NCHNKAIDLAPTQPKERLAEYFKGHSLLQAREADVTRIKKHLSEMNVPKHPQTHET 366
301 ALHCAASPYPKRKQICELLARKGANINEKTEFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 360
367 ALHCAASPYPKRKQICELLARKGANINEKTEFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 426
361 NALDNLGOTSLHRAAYCGHLCRLLSYGCDPNIIISLGFTALQMGNNVQOLLQEGIS 420
427 NALDNLGOTSLHRAAYCGHLCRLLSYGCDPNIIISLGFTALQMGNNVQOLLQEGIS 486
421 LGNEADRLQLEAAKAGDVETVKKLCVQSNCRDIEGRQSTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 480
487 LGNEADRLQLEAAKAGDVETVKKLCVQSNCRDIEGRQSTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 546
481 QHGADVHAKDGLVPLHNACSYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 540
547 QHGADVHAKDGLVPLHNACSYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 606
541 ICKLLQHGADPTKKNRDGNTPLDLVKDGTDIQDLLRGDAALLDAKKGCLARVKLSS 600
607 ICKLLQHGADPTKKNRDGNTPLDLVKDGTDIQDLLRGDAALLDAKKGCLARVKLSS 666
601 PDNVNCRDTQGRHSTPLHLAAGYNNRVKIVOLLQHGADVHAKDGLVPLHNAASYGHDV 660
667 PDNVNCRDTQGRHSTPLHLAAGYNNRVKIVOLLQHGADVHAKDGLVPLHNAASYGHDV 726
661 VAALLIKYNACVNTDKWAFPLHNAASYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 720
727 VAALLIKYNACVNTDKWAFPLHNAASYGHEVTELLVKGHCACVNMADLWQFTPLHFAAGYNNRVKIVOLLQHGADVHAKDGLV 786
721 ADDVSALLTAAMPSPSALPSYKPOVLNGVRSFGATADALSSGSPSSLSAASSLDNLG 780
787 ADDVSALLTAAMPSPSALPSYKPOVLNGVRSFGATADALSSGSPSSLSAASSLDNLG 846
781 SPSSELSVSSSGTGASLEKKEVPGVDFSTIQFVRNLGLHLMIDIPEREQITLDVLVE 840
847 SPSSELSVSSSGTGASLEKKEVPGVDFSTIQFVRNLGLHLMIDIPEREQITLDVLVE 906
841 MGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPLYTLNTSGSTILIDLSPDKBFQ 900
907 MGHKELKEIGINAYGHRHKLKIGVERLISGQGLNPLYTLNTSGSTILIDLSPDKBFQ 966
901 SVEEMQSTVREHROGGHAGGIFNRYNLIKIKVCNKKLWERYTHRRKEVSEENHANE 960
967 SVEEMQSTVREHROGGHAGGIFNRYNLIKIKVCNKKLWERYTHRRKEVSEENHANE 1026
961 RMLFHGSPFNVAI IHKGFDERHAYIGMFGAGIYFAENSKSNQVYVGGTGCPCVHKD 1020
1027 RMLFHGSPFNVAI IHKGFDERHAYIGMFGAGIYFAENSKSNQVYVGGTGCPCVHKD 1086
1021 RSCYICHRQLLFCRVTLGKSFLOFSAMKVAHSPPGHHSVTGRPSV 1065
1087 RSCYICHRQLLFCRVTLGKSFLOFSAMKVAHSPPGHHSVTGRPSV 1131

RESULT 5

US-09-696-668-4

Sequence 4, Application US/0969668

Patent No. 6617102

GENERAL INFORMATION:

541 ICKLLQHGADPKKRDGNTPLDLVKDGTDLHYLLRGDAALLDAKGCCLARVKLSS 600
601 PDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVD 660
601 PDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVD 660
661 VAALLIKYNACVNATDKWAFPLHAAQKGTOLCALLAHAGADPTLKNQEGTDLVLS 720
661 VAALLIKYNACVNATDKWAFPLHAAQKGTOLCALLAHAGADPTLKNQEGTDLVLS 720
721 ADDVSALLTAAMPSPSALPCYKQVNLGVSPCATADALSSGSPSSLSAASSLNLG 780
721 ADDVSALLTAAMPSPSALPCYKQVNLGVSPCATADALSSGSPSSLSAASSLNLG 780
781 SFSELSSVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLDVLVE 840
781 SFSELSSVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLDVLVE 840
841 MGHEKELKEIGINAYGHRHLIKGVERLISGQGLNPLYTLNTSGSGTILIDLSPDKKEFQ 900
841 MGHEKELKEIGINAYGHRHLIKGVERLISGQGLNPLYTLNTSGSGTILIDLSPDKKEFQ 900
901 SVEEEMQSTVREHRDGGHAGGIFNRYNLIKQKCNKLLWERYTHRRKEVSEENHNHANE 960
901 SVEEEMQSTVREHRDGGHAGGIFNRYNLIKQKCNKLLWERYTHRRKEVSEENHNHANE 960
961 RMLFHGSPFVNAILHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGGTGCPCVHKD 1020
961 RMLFHGSPFVNAILHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGGTGCPCVHKD 1020
1021 RSCYICHRQLLFCRVTLGKSFQFSAMKVAHSPPGHHSVTGRPSV 1065
1021 -SCYICHRQLLFCRVTLGKSFQFSAMKVAHSPPGHHSVTGRPSV 1064

RESULT 9
US-09-350-982C-5
Sequence 5, Application US/09350982C
Patent No. 6455290
GENERAL INFORMATION:
APPLICANT: Berthelsen, Jens
APPLICANT: Toma, Salvatore
APPLICANT: Isacchi, Antonella
TITLE OF INVENTION: Tankyrase Homolog Protein (THP), Nucleic Acids, and Methods Rel
TITLE OF INVENTION: Same
FILE REFERENCE: PHRM-0043
CURRENT APPLICATION NUMBER: US/09/350,982C
CURRENT FILING DATE: 1999-07-09
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 1166
TYPE: PRT
ORGANISM: Artificial
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Xaa is any amino acid
NAME/KEY: misc feature
LOCATION: (1102)..(1102)
OTHER INFORMATION: n is any nucleic acid
NAME/KEY: misc feature
LOCATION: (2650)..(2650)
OTHER INFORMATION: n is any nucleic acid
US-09-350-982C-5

Query Match 99.1%; Score 5533; DB 2; Length 1166;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1056; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

Qy 1 GFGKDVVEYLLONGASVQARDGGGLIPLHNAACFHAIEVNNLLRHGADPNARDNNWT 60
Db 67 GFGKDVVEYLLONGASVQARDGGGLIPLHNAACFHAIEVNNLLRHGADPNARDNNWT 126

Qy 61 PLHEAAIKGKIDVICVILLQHGABPTIRNTDGR TALDLPDSAKAVLTGEYKODELLESAR 120
Db 127 PLHEAAIKGKIDVICVILLQHGABPTIRNTDGR TALDLPDSAKAVLTGEYKODELLESAR 186
Qy 121 SGNEEKOMALLTPLNVNCHASDGRKSTPLHLAAGYNNRVKIVOLLQHGADVNAQDKGLV 180
Db 187 SGNEEKOMALLTPLNVNCHASDGRKSTPLHLAAGYNNRVKIVOLLQHGADVNAQDKGLV 246
Qy 181 PLHNACSYGHEVTELLVKGACVNAQDLWQFTPLHEAAAKNRVEVCSSLISYGDPTLL 240
Db 247 PLHNACSYGHEVTELLVKGACVNAQDLWQFTPLHEAAAKNRVEVCSSLISYGDPTLL 306
Qy 241 NCHNKAIDLAPTPOLKERLAYEFKSHSLQAAREADVTRI KGHLSLEVMNFKHPOTHET 300
Db 307 NCHNKAIDLAPTPOLKERLAYEFKSHSLQAAREADVTRI KGHLSLEVMNFKHPOTHET 366
Qy 301 ALHCAAAASPYPRKQICELLKRGANINEKTEFEPLHVAASEKAHNDVVEVVHKAHV 360
Db 367 ALHCAAAASPYPRKQICELLKRGANINEKTEFEPLHVAASEKAHNDVVEVVHKAHV 426
Qy 361 NALDNLGQTSLHRAAYCGHLQTCRLLSYGCDPNIIISLQGTALQMGNNVQOLLQEGIS 420
Db 427 NALDNLGQTSLHRAAYCGHLQTCRLLSYGCDPNIIISLQGTALQMGNNVQOLLQEGIS 486
Qy 421 LGNSEADROLLEAAKAGDVETVKCLCTVQSVNCRDIEGRQSTPLHFAAGYNNRVSVVEYLL 480
Db 487 LGNSEADROLLEAAKAGDVETVKCLCTVQSVNCRDIEGRQSTPLHFAAGYNNRVSVVEYLL 546
Qy 481 QHGADVNAQDKGLIPLHNAACSYGHEVVAELLVKGA VNVNADLWKFTPLHEAAAKGYE 540
Db 547 QHGADVNAQDKGLIPLHNAACSYGHEVVAELLVKGA VNVNADLWKFTPLHEAAAKGYE 606
Qy 541 ICKLLQHGADPKKRDGNTPLDLVKDGTDLHYLLRGDAALLDAKGCCLARVKLSS 600
Db 607 ICKLLQHGADPKKRDGNTPLDLVKDGTDLHYLLRGDAALLDAKGCCLARVKLSS 666
Qy 601 PDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVD 660
Db 667 PDNVNCRDTQGRHSTPLHLAAGYNNLEVAEYLLQHGADVNAQDKGGLIPLHNAASYGHVD 726
Qy 661 VAALLIKYNACVNATDKWAFPLHAAQKGTOLCALLAHAGADPTLKNQEGTDLVLS 720
Db 727 VAALLIKYNACVNATDKWAFPLHAAQKGTOLCALLAHAGADPTLKNQEGTDLVLS 786
Qy 721 ADDVSALLTAAMPSPSALPCYKQVNLGVSPCATADALSSGSPSSLSAASSLNLG 780
Db 787 ADDVSALLTAAMPSPSALPCYKQVNLGVSPCATADALSSGSPSSLSAASSLNLG 846
Qy 781 SFSELSSVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLDVLVE 840
Db 847 SFSELSSVSSSGTEGASSLEKKEVPGVDFSIQFVRNLGLEHLMDFEREQITLDVLVE 906
Qy 841 MGHEKELKEIGINAYGHRHLIKGVERLISGQGLNPLYTLNTSGSGTILIDLSPDKKEFQ 900
Db 907 MGHEKELKEIGINAYGHRHLIKGVERLISGQGLNPLYTLNTSGSGTILIDLSPDKKEFQ 966
Qy 901 SVEEEMQSTVREHRDGGHAGGIFNRYNLIKQKCNKLLWERYTHRRKEVSEENHNHANE 960
Db 967 SVEEEMQSTVREHRDGGHAGGIFNRYNLIKQKCNKLLWERYTHRRKEVSEENHNHANE 1026
Qy 961 RMLFHGSPFVNAILHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGGTGCPCVHKD 1020
Db 1027 RMLFHGSPFVNAILHKGFDERHAYIGMFGAGIYFAENSSKSNQYVYGGTGCPCVHKD 1086
Qy 1021 RSCYICHRQLLFCRVTLGKSFQFSAMKVAHSPPGHHSVTGRPSV 1065
Db 1087 RSCYICHRQLLFCRVTLGKSFQFSAMKVAHSPPGHHSVTGRPSV 1131

RESULT 10
US-09-849-602-26
; Sequence 26, Application US/09849602

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☒ BLACK BORDERS

☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☒ FADED TEXT OR DRAWING

☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.